Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

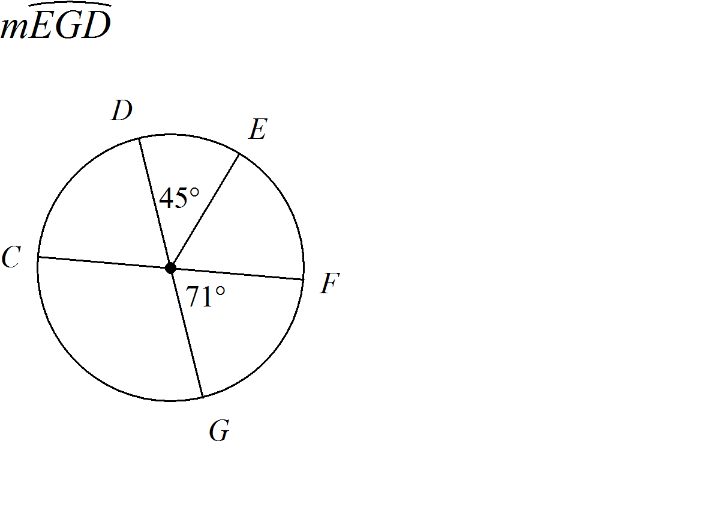
HW#81H: Inscribed Polygons & Quiz Review

Honors Geometry

Due Date: Wednesday, April 22nd, 2015

**Failure to show all work and write in complete sentences will result in LaSalle!**

|  |  |
| --- | --- |
| 1) Find the values of the variables. | 2) Find the values of the variables. |
| 3) Find the values of the variables. | 4) Find the values of the variables. |
| 5) Find the values of the variables. | 6) Find the values of the variables. |



7) and are diameters of the circle to the left.

1. Identify the given arc as a major arc, minor arc, or semicircle
2. Find the arc measure.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| a. *m*DE | b. *m*DG | c. *m*EF | d. *m*CG | e. *m*DGC |

8) Explain why the opposite angles in an inscribed polygon are supplementary. Draw a picture.

Find each measure. Round each measure to the nearest hundredth and each arc measure to the nearest degree.



|  |  |
| --- | --- |
| 9) Find the length of arc AB. | 10) The minute hand and the hour hands on a clock originate at the center of the clock and reach to the outer edge of the clock. The length of each hand is 4 inches. When it is 9:00 pm, what is the length of the arc created by the minute hand and the hour hand? |
| 11) Find the perimeter of the triangle. Assume that lines which appear to be tangent are tangent. | 12) Find the angle measure indicated. Assume that lines which appear to be tangent are tangent. |